

Amendments to the Specification:

- 1) Please add the following new paragraph at page 5, line 6 following the description of FIG. 6:

FIG. 7 shows a flow diagram of a method in accordance with the present invention.

- 2) Please add the following new paragraph at page 10, line 6 and prior to the claims:

FIG. 7 illustrates the above-described methods 70 in the form of a flow diagram. A spectral vibration amplitude alarm curve 2 is established for a rotating object for a particular rotation speed and at a particular operating parameter(s) such as a particular load value and/or a particular temperature. Actual spectral vibration amplitude data 22 is acquired at step 72 at an actual rotation speed and at actual value(s) of operational parameter(s). The actual data is normalized 23 at step 76 to account for the difference between the particular rotation speed of the alarm curve and the actual rotation speed. The alarm curve is adjusted (3, 4, 5) at step 78 to account for the difference between the particular operating parameter value(s) of the alarm curve and the actual operating parameter value(s). The object is then evaluated at step 80 by comparing the normalized data to the adjusted alarm curve.